

SEQUENCE LISTING

<110> Von Der Kammer, Heinz
Pohlner, Johannes

<120> Diagnostic and Therapeutic Use of FOAP-13 Polynucleotides and
Polypeptides for Neurodegenerative Diseases

<130> 2335.0060001

<140> To be assigned
<141> Herewith

<150> 02019281.1
<151> 2002-08-28

<150> 60/406,303
<151> 2002-08-28

<160> 18

<170> PatentIn Ver. 2.1

<210> 1
<211> 390
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: cDNA fragment
of the foap-13 gene

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cttggcctga ccctgggtctg gtctcagaat cacttttccc atctgtaaaa ttgagatgaa 180
ttttggtgtt gaaagttctt cctggagcag atgtcctaga aggttttagg aatagtgaca 240
gagtcaggcc accccaaggg ccatgggagc cagctgacct gcttgaccga aggatttctg 300
acagactatc tttggggatg ttttcaagaa gggatataag ttatttactt tgggcattta 360
aaagaaaatt tctctcggga ataattttat 390

<210> 2
<211> 491
<212> PRT
<213> Homo sapiens

<400> 2
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Leu Leu Glu Cys Leu Gly Phe Ala Gly Val Leu Phe Gly Trp Pro Ser
20 25 30
Leu Val Phe Val Phe Lys Asn Glu Asp Tyr Phe Lys Asp Leu Cys Gly
35 40 45
Pro Asp Ala Gly Pro Ile Gly Asn Ala Thr Gly Gln Ala Asp Cys Lys

50					55					60					
Ala	Gln	Asp	Glu	Arg	Phe	Ser	Leu	Ile	Phe	Thr	Leu	Gly	Ser	Phe	Met
65					70					75					80
Asn	Asn	Phe	Met	Thr	Phe	Pro	Thr	Gly	Tyr	Ile	Phe	Asp	Arg	Phe	Lys
				85					90					95	
Thr	Thr	Val	Ala	Arg	Leu	Ile	Ala	Ile	Phe	Phe	Tyr	Thr	Thr	Ala	Thr
			100					105					110		
Leu	Ile	Ile	Ala	Phe	Thr	Ser	Ala	Gly	Ser	Ala	Val	Leu	Leu	Phe	Leu
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Ala	Met	Pro	Met	Leu	Thr	Ile	Gly	Gly	Ile	Leu	Phe	Leu	Ile	Thr	Asn
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Leu	Gln	Ile	Gly	Asn	Leu	Phe	Gly	Gln	His	Arg	Ser	Thr	Ile	Ile	Thr
145					150					155					160
Leu	Tyr	Asn	Gly	Ala	Phe	Asp	Ser	Ser	Ser	Ala	Val	Phe	Leu	Ile	Ile
				165					170					175	
Lys	Leu	Leu	Tyr	Glu	Lys	Gly	Ile	Ser	Leu	Arg	Ala	Ser	Phe	Ile	Phe
			180					185					190		
Ile	Ser	Val	Cys	Ser	Thr	Trp	His	Val	Ala	Arg	Thr	Phe	Leu	Leu	Met
		195					200					205			
Pro	Arg	Gly	His	Ile	Pro	Tyr	Pro	Leu	Pro	Pro	Asn	Tyr	Ser	Tyr	Gly
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Leu	Cys	Pro	Gly	Asn	Gly	Thr	Thr	Lys	Glu	Glu	Lys	Glu	Thr	Ala	Glu
225					230					235					240
His	Glu	Asn	Arg	Glu	Leu	Gln	Ser	Lys	Glu	Phe	Leu	Ser	Ala	Lys	Glu
				245					250					255	
Glu	Thr	Pro	Gly	Ala	Gly	Gln	Lys	Gln	Glu	Leu	Arg	Ser	Phe	Trp	Ser
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Tyr	Ala	Phe	Ser	Arg	Arg	Phe	Ala	Trp	His	Leu	Val	Trp	Leu	Ser	Val
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Thr	Asn	Met	Ala	Gly	Gly	Asp	Met	Ala	Arg	Val	Ser	Thr	Tyr	Thr	Asn
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Ala	Phe	Ala	Phe	Thr	Gln	Phe	Gly	Val	Leu	Cys	Ala	Pro	Trp	Asn	Gly
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Leu Ala Leu Thr Ser Leu Leu Cys Leu Gly Phe Ala Leu Cys Ala Ser
 370 375 380

Val Pro Ile Leu Pro Leu Gln Tyr Leu Thr Phe Ile Leu Gln Val Ile
 385 390 395 400

Ser Arg Ser Phe Leu Tyr Gly Ser Asn Ala Ala Phe Leu Thr Leu Ala
 405 410 415

Phe Pro Ser Glu His Phe Gly Lys Leu Phe Gly Leu Val Met Ala Leu
 420 425 430

Ser Ala Val Val Ser Leu Leu Gln Phe Pro Ile Phe Thr Leu Ile Lys
 435 440 445

Gly Ser Leu Gln Asn Asp Pro Phe Tyr Val Asn Val Met Phe Met Leu
 450 455 460

Ala Ile Leu Leu Thr Phe Phe His Pro Phe Leu Val Tyr Arg Glu Cys
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Arg Thr Trp Lys Glu Ser Pro Ser Ala Ile Ala
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<210> 3

<211> 2630

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: cDNA of the
 human foap-13 gene

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 ctcccgggga gctattggga tccagagaat caccgcgtga tggtttttcc ccaggcctga 180
 aacaaccaga gagctacggg aaaggaaggg cttggcttgc cagaggaatt ttccaagtgc 240
 tcaaacgcca ggcttacggc gctgtgatc cgtccaggag gacaaagtgg gatttgaaga 300
 tccactccac ttctgctcat ggccggccag ggctgcccc tgcacgtggc cacactgctg 360
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<210> 4

<211> 13

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: one-base
anchor oligonucleotide

<400> 4

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13

<210> 5

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: One-base
anchor oligonucleotide

<400> 5

httttttttt ttg

13

<210> 6

<211> 13

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: One-base
anchor oligonucleotide

<400> 6
htttttttttt ttc 13

<210> 7
<211> 23
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer for the
foap-13 gene

<400> 7
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<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
foap-13 gene

<400> 8
ggctgcactc ttgagggaga 20

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
cyclophilin B gene

<400> 9
actgaagcac tacgggcctg 20

<210> 10
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
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<400> 10
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<210> 11

<211> 20
<212> DNA
<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer for the
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<400> 11
gggtcaaattt accctggcca 20

<210> 12
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
ribosomal protein S9

<400> 12
tctcatcaag cgtcagcagt tc 22

<210> 13
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
beta-actin gene

<400> 13
tggaacggtg aaggtgaca 19

<210> 14
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
beta-actin gene

<400> 14
ggcaagggac ttcctgtaa 19

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the

GAPDH gene

<400> 15
cgtcatgggt gtgaaccatg 20

<210> 16
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
GAPDH gene

<400> 16
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<210> 17
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
transferrin receptor (TRR)

<400> 17
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<210> 18
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer for the
transferrin receptor (TRR)

<400> 18
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